U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE

| B/O Form PTO-1390 | | 590 Transmittal Letter to | | Attorney's Docket Number | | |
|--|--------------------|---|--|---|--|--|
| , | | Designated/Elected Concerning a Filing | | HEFF3002/FJD U.S. Application Number (if known) | | |
| | | Concerning a rully | 5.1.4.61 50 500 57 1 | 10/522 158 | | |
| Internat | ional Ap | oplication Number | International Filing Date | Priority Date Claimed | | |
| PCT/EP2003/007838 | | | 18 July 2003 | January 24, 2002 | | |
| Title o | Title of Invention | | | | | |
| Devi | ice fo | or IR-spectrometric analys | is of a solid, liquid or gaseous me | edium | | |
| Applicant(s) for DO/EO/US | | | | | | |
| Camiel Heffels, Peter Lindmuller, Dick Scholten and Dirk Muller | | | | | | |
| Appli | cant h | nerewith submits to the United St | ates Designated/Elected Office (DO/EO/U | S) the following items under 35 USC 371: | | |
| 1. ☐ This is a FIRST submission of items concerning a filing under 35 USC 371. | | | | | | |
| 2. | × | This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 USC 371. | | | | |
| 3. | 0 | This express request to begin national examination procedures (35 USC 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 USC 371(b) and PCT Articles 22 and 39(1). | | | | |
| 4. | | The U.S. has been elected (Article 31). | | | | |
| 5. | | A copy of the International A | pplication as filed 35 USC 371(c)(2). | | | |
| | a. | is transmitted herewith (required only if not transmitted by the International Bureau). | | | | |
| | b. | □ has been transmitted by | the International Bureau. | | | |
| | c. | □ is not required, as the ap | plication was filed in the United States | Receiving Office (RO/US). | | |
| 6. | | A translation of the Internatio | nal Application into English (35 USC 33 | 71(c)(2)). | | |
| 7. | | Amendments to the claims of the International Application under PCT Article 19 (35 USC 371(c)(3)) | | | | |
| | a. | are transmitted herewith (required only if not transmitted by the International Bureau). | | | | |
| | b. | □ have been transmitted by | y the International Bureau. | | | |
| | c. | □ have not been made; ho | wever, the time limit for making such an | nendments has NOT expired. | | |
| | d. | □ have not been made and | will not be made. | | | |
| 8. | | A translation of the amendme | nts to the claims under PCT Article 19 (| (35 USC 371(c)(3)). | | |
| 9. | Ø | An oath or declaration of the | inventor(s) (35 USC 371(c)(4)). (⊠ H | Executed □ Unexecuted) | | |
| 10. | 0 | A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 USC 371(c)(5)). | | | | |
| | | · · | other document(s) or information inc | luded: | | |
| 11. | | An Information Disclosure St | atement under 37 CFR 1.97 and 1.98. | | | |
| 12. | | An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. | | | | |
| 13. | | A preliminary amendment. | | | | |
| 14. | | An Application Data Sheet un | nder 37 CFR 1.76. | • | | |
| 15. | | A substitute specification. | | | | |
| 16. | | | | | | |
| 17. | | A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and U.S.C. 1.821 - 1.825. | | | | |
| 18. | | A second copy of the published international application under 35 U.S.C. 154(d)(4). | | | | |
| 19. | | A second copy of the English translation of the international application under 35 U.S.C. 154(d)(4) | | | | |
| 20. | 8 | Other items or information: | a copy of the Notification of Missin | g Requirements form | | |

| Application Number 10/522,15 | | International Application Number PCT/EP2003/007838 | | Attorney's Docket Number HEFF3002/FJD | | | |
|---|--------------------------------------|--|--|--|-----|------------|--------------|
| | | | | | Cal | lculations | PTO USE ONLY |
| 21. The following fee □ a) Basic national fee □ b) Examination fee □ c) Search Fee TO1 | | | | \$200.00 | | | · |
| sequence listin | g or computer p | ogram listing | filed in paper over 100 filed in an electronic maractions thereof. | | | | |
| Total Sheets | Extra sheets | Number of each additional 50 or fractions thereof (round up to a whole number) | | RATE | | | |
| - 100 = | /50= | | | x \$250.00 | | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | | \$ | 130.00 | |
| CLAIMS | Number | | Number Extra | RATE | | | |
| Total Claims | 19 | -20 = | 0 | × \$50.00 | | | |
| Independent Claims | 2 | -3 = | 0 | × \$200.00 | | | |
| Multiple Dependent Claims (if applicable) | | | | + \$360.00 | | | |
| | | TO | TAL OF ABOVE C | ALCULATIONS | | \$ | |
| □ Reduction by asserted purs | ½ for filing by uant to 37 CFR | small entity, 1.27 for this | if applicable. Smal application. | l Entity Status is | | | |
| SUBTOTAL | | | | | | \$ | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | | | \$ | |
| TOTAL NATIONAL FEE | | | | | | \$ | |
| Fee for recording the en accompanied by an app | nclosed assignn propriate cover s | nent <i>(37 CFR</i> sheet <i>(37 CFR</i> | 1.21(h)). The assignr 3.28, 3.31). \$40.00 | nent must be per property. | | | |
| | | | TOTAL FEE | S ENCLOSED | \$ | 130.00 | |
| 77 (000E OTBOH) | | | - | Amount to be: | | Refunded: | |
| 27/2005 ATRAN1 00000145 10522158 | | | | Amount to be. | | Charged: | |

130.00 OP a. \(A \) check in the amount of \(\\$ 130.00 \) to cover the fees is enclosed.

b. \square Please charge my Deposit Account Number 02-0200 in the amount of _\$_ cover the above fees. A duplicate copy of this sheet is enclosed.

c.

■ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account Number 02-0200. A duplicate copy of this sheet is enclosed.

Note: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

23364

Customer Number Phone: (703) 683-0500

DATE:

01 FC:1617

October 24, 2005

Respectfully submitted,

Felix J. D'Ambrosio Attorney for Applicant

Registration Number: 25,721





United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Dox 1450 Alexandria, Viginia 22313-1450 www.usptu.gov

| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | | ATTY. | DOCKET NO. |
|--------------------------------|---------------------------|------------------|--------------|------------------------------|
| 10/522,158 | Camiel Heffels | | HEF | F3002/FJD |
| | ſ | INTER | NATIONAL APP | LICATION NO. |
| | • | PCT/EP03/07838 | | |
| 23364 | LLC /4 E F F 300 A | I.A. FILING DATE | | PRIORITY DATE |
| BACON & THOMAS, PLLC | 1761, 3004 | 07/1 | 8/2003 | 07/24/2002 |
| 625 SLATERS LANE Date 08/26/3 | 2005 Atty FJD | 4 | | |
| ALEXANDRIA, VA 22314 ction Due | Response to MISSING Regin | ements | CONFIRM | ATION NO. 3571 |
| Deadline | 10/24/2005 | 371 F | ORMALITI | ES LETTER |
| | ine 03/24/2006 | | 000001684614 |)16846148* ^{18*} |

Date Mailed: 08/24/2005

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 01/24/2005
- English Translation of the IA filed on 01/24/2005
- Copy of the International Search Report filed on 01/24/2005
- Preliminary Amendments filed on 01/24/2005
- Request for Immediate Examination filed on 01/24/2005
- U.S. Basic National Fees filed on 01/24/2005
- Priority Documents filed on 01/24/2005



The applicant needs to satisfy supplemental fees problems indicated below.

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.16(f) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

\$130 Surcharge.



ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice **MUST** be returned with the response.

SHAKEEL AHMED

Telephone: (703) 308-9140 EXT 208

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. | |
|-----------------------------|-------------------------------|------------------|--|
| 10/522,158 | PCT/EP03/07838 | HEFF3002/FJD | |

FORM PCT/DO/EO/905 (371 Formalities Notice)